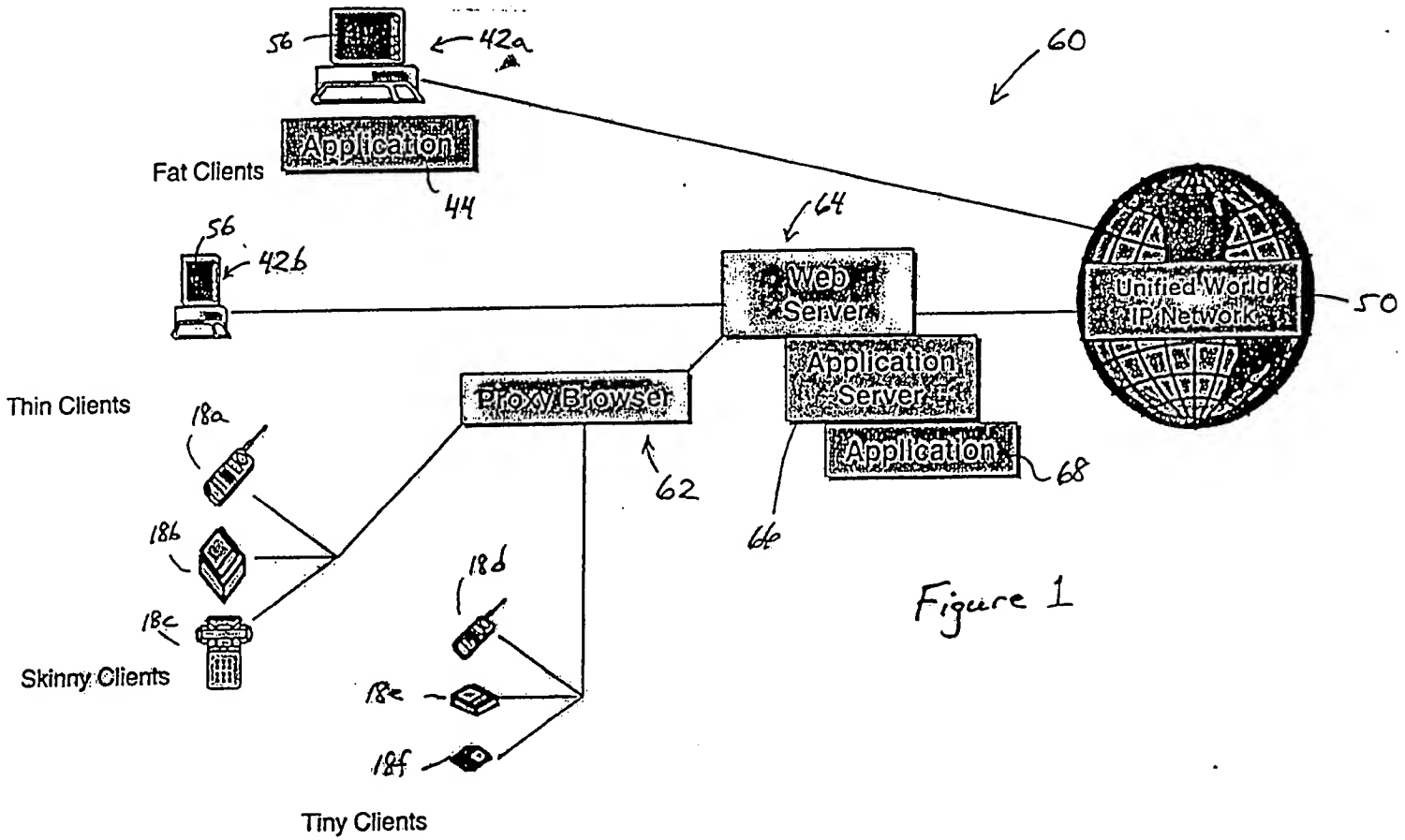
56
42a
60
Application
Fat Clients
44
64
56
42b
Web Server
Unified World IP Network
50
Application Server
Thin Clients
Proxy Browser
18a
Application
68
62
66
18b
18b
18c
Skinny Clients
18e
18f
Tiny Clients

Figure 1

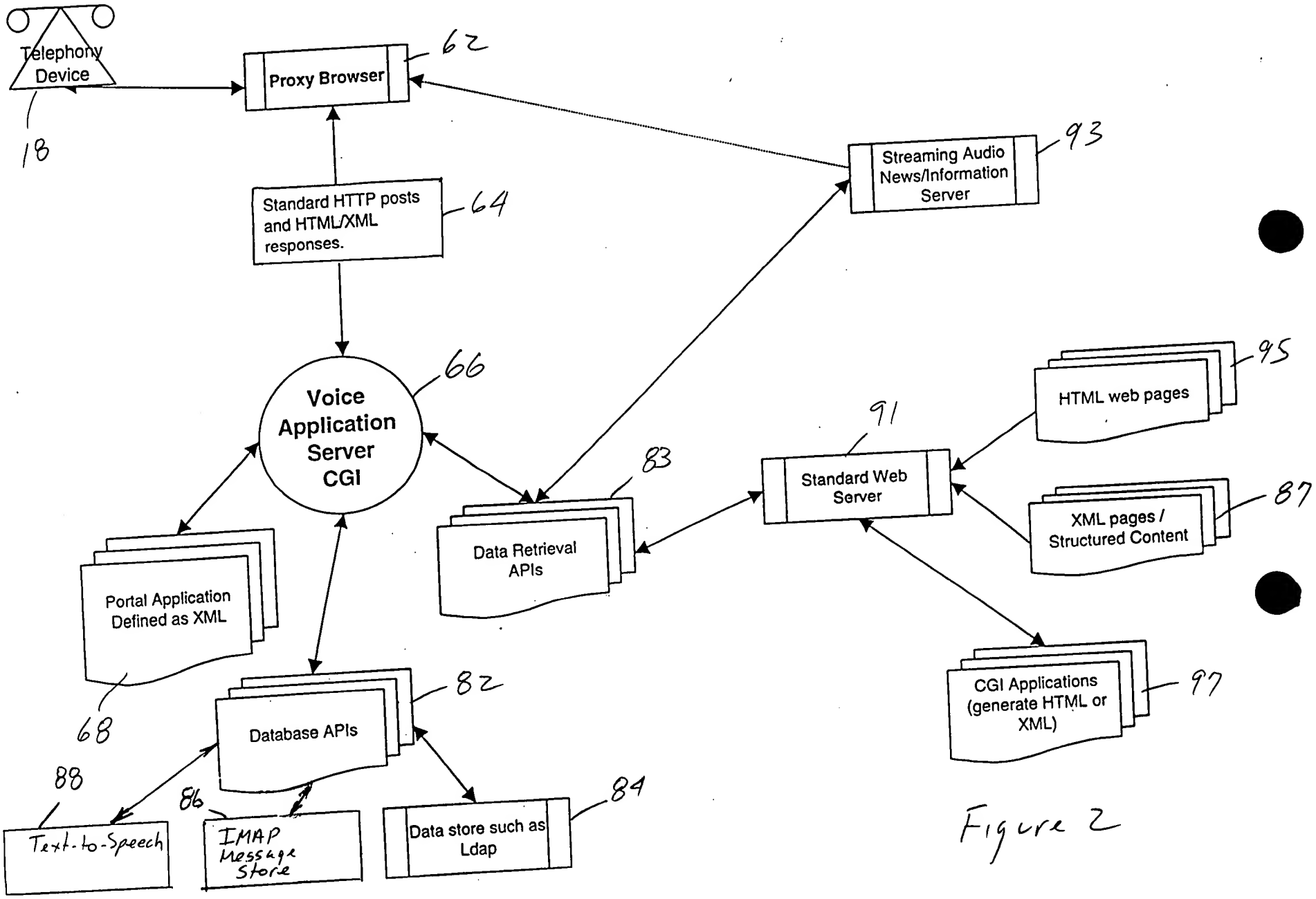
Telephony Device
18
Proxy Browser
62
Standard HTTP posts and HTML/XML responses.
64
Streaming Audio News/Information Server
93
Voice Application Server CGI
66
Portal Application Defined as XML
68
Data Retrieval APIs
83
Standard Web Server
91
HTML web pages
95
XML pages / Structured Content
87
CGI Applications (generate HTML or XML)
97
Database APIs
82
88
Text-to-Speech
86
IMAP Message Store
Data store such as Ldap
84

Figure 2

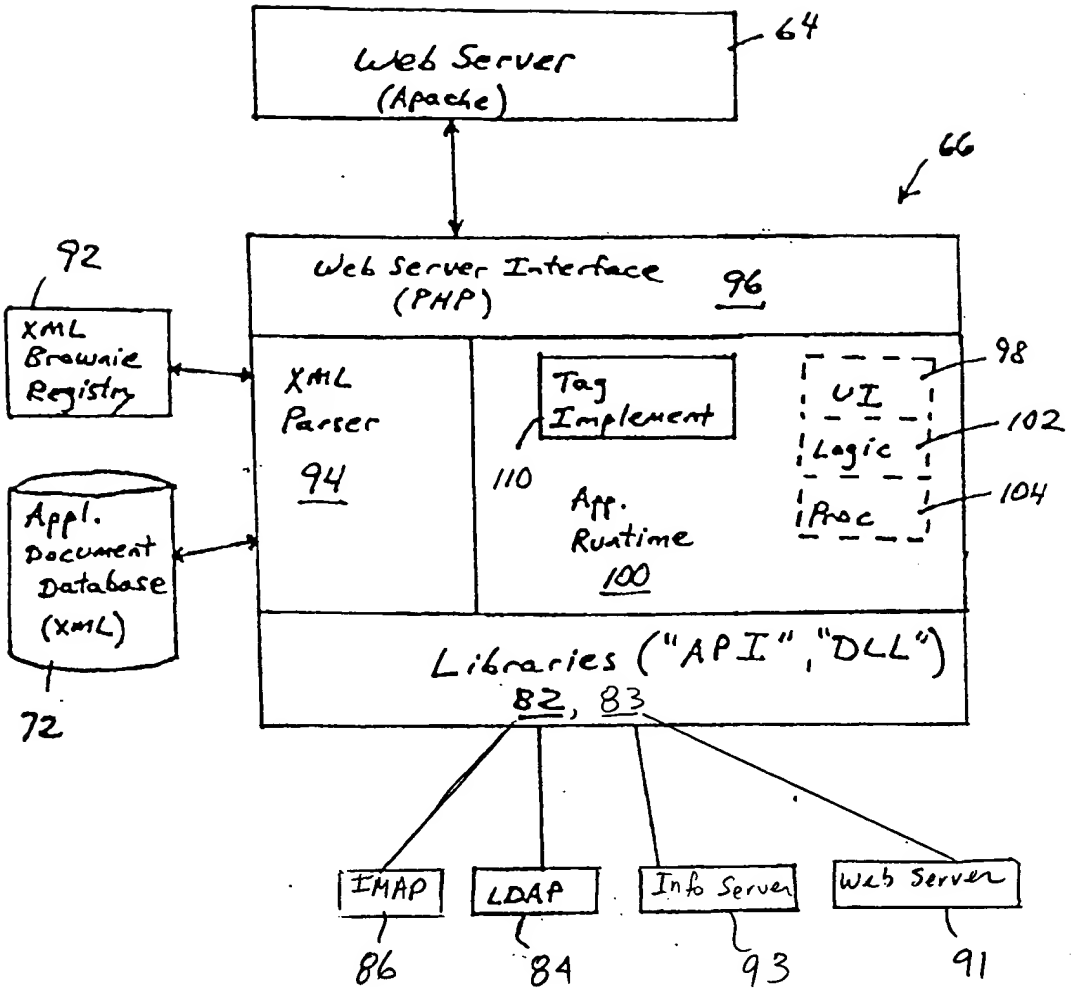
Web Server
(Apache)
64
66
Web Server Interface
(PHP)
96
92
XML
Browaie
Registry
XML
Parser
94
Tag
Implement
110
App.
Runtime
100
98
UI
102
Logic
104
Proc
Appl.
Document
Database
(XML)
72
Libraries ("API","DLL")
82, 83
IMAP
LDAP
Info Server
Web Server
86
84
93
91

Figure 3

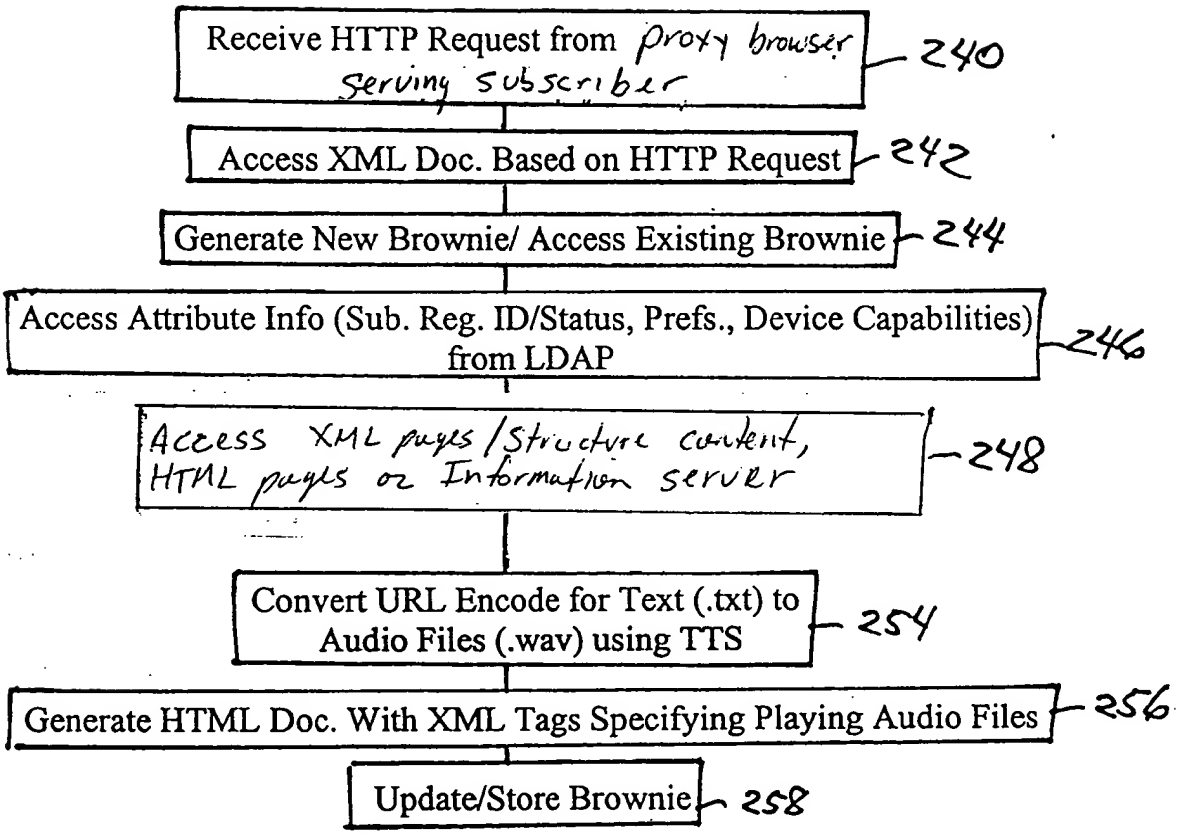
Receive HTTP Request from proxy browser serving subscriber
240
Access XML Doc. Based on HTTP Request
242
Generate New Brownie/ Access Existing Brownie
244
Access Attribute Info (Sub. Reg. ID/Status, Prefs., Device Capabilities) from LDAP
246
Access XML pages/Structure content, HTML pages or Information server
248
Convert URL Encode for Text (.txt) to Audio Files (.wav) using TTS
254
Generate HTML Doc. With XML Tags Specifying Playing Audio Files
256
Update/Store Brownie
258

Figure 4